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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/988,055	11/16/2001	Dan A. Steinberg	A1148.0000/P008 (51948)	7843
75	90 03/26/2004		EXAMINER	
Jonathan D. Baskin c/o Edwards & Angell, LLP			THOMPSON, TIMOTHY J	
PO Box 9169	Aligeli, LLF		ART UNIT	PAPER NUMBER
Boston, MA 0	02209		2873	
			DATE MAILED: 03/26/2004	4

Please find below and/or attached an Office communication concerning this application or proceeding.

		11)	
	Application No.	Applicant(s)	
	09/988,055	STEINBERG ET AL.	
Office Action Summary	Examiner	Art Unit	
	Timothy J Thompson	2873	
The MAILING DATE of this communication ap	pears on the cover sheet wit	h the correspondence address	
Period for Reply			
A SHORTENED STATUTORY PERIOD FOR REPL THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30 ays, a replin 16 NO period for reply is specified above, the maximum statutory period. - Failure to reply within the set or extended period for reply will, by statudent and the period for reply will, by statudent and period for reply will. See 37 CFR 1.704(b).	.136(a). In no event, however, may a re ply within the statutory minimum of thirty I will apply and will expire SIX (6) MON te, cause the application to become AB	ply be timely filed (30) days will be considered timely. HS from the mailing date of this communication ANDONED (35 U.S.C. § 133).	1.
Status			
1) Responsive to communication(s) filed on	<u></u> .		
2a) ☐ This action is FINAL . 2b) ☑ Thi	is action is non-final.		
3) Since this application is in condition for allows	ance except for formal matte	ers, prosecution as to the merits is	;
closed in accordance with the practice under	Ex parte Quayle, 1935 C.D.	11, 453 O.G. 213.	
Disposition of Claims			
4) Claim(s) 1-41 is/are pending in the application	n.		
4a) Of the above claim(s) is/are withdra	awn from consideration.		
5)⊠ Claim(s) <u>19-29</u> is/are allowed.			
6)⊠ Claim(s) <u>1,3,4,12,30-33,35,37 and 38</u> is/are r			
7)⊠ Claim(s) <u>2,5-11,13-18,34,36 and 39-41</u> is/are			
8) Claim(s) are subject to restriction and/	or election requirement.		
Application Papers			
9)☐ The specification is objected to by the Examir			
10)⊠ The drawing(s) filed on <u>16 November 2001</u> is			
Applicant may not request that any objection to the			
Replacement drawing sheet(s) including the corre			J).
11)☐ The oath or declaration is objected to by the E	=xaminer. Note the attached	Office Action of form P1O-152.	
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreig	n priority under 35 U.S.C. §	119(a)-(d) or (f).	
a) ☐ All b) ☐ Some * c) ☐ None of:			
 Certified copies of the priority document 	nts have been received.		
Certified copies of the priority document			
Copies of the certified copies of the pri		received in this National Stage	
application from the International Bure			
* See the attached detailed Office action for a lis	st of the certified copies not	received.	
Attachment(s)			
1) X Notice of References Cited (PTO-892)	4) 🔲 Interview S	ummary (PTO-413)	
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Date	
 Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08 Paper No(s)/Mail Date <u>11/01</u>. 	8) 5) ☐ Notice of Ir 6) ☐ Other:	formal Patent Application (PTO-152) 	
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DETAILED ACTION

Claim Rejections - 35 USC § 102

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1, 3, 4, 12, 30-33, 35, 37, 38 are rejected under 35

U.S.C. 102(anticipated) as being anticipated by Trott et al.(US. Patent No. 5,862,283).

Regarding claim 1, Trott et al. discloses an optical device having a planar surface(fig 4, 32); a substrate having an upper surface and a plurality of pits(fig 4, 31, 51, 52); and a positioning mechanism disposed in each said pit(fig 4, 41), wherein said optical device contacts said positioning mechanisms and is positioned on said substrate such that said planar surface is tilted relative to said upper surface(fig 11 and col 4, lines 1-20, 49-67).

Regarding claim 3, Trott et al. discloses each of the positioning mechanism is a spheres(fig 4).

Regarding claim 4, Trott et al. discloses at least one of the spheres are a different size than the remainder of said spheres(col 4, lines 41-50).

Regarding claim 12, Trott et al. discloses an optical device having at least one cut-out portion(fig 4, 32, fig 11, 152); a substrate having an upper surface and a plurality of pits(fig 4, 31, 51, 52); and a positioning mechanism disposed in each said pit(fig 11, 165), wherein said positioning mechanisms contact said at least one cut-out portion.

Regarding claim 30, Trott et al. discloses a method for positioning an optical device on an upper surface of a substrate, said method comprising: mounting a plurality of positioning mechanisms in predetermined locations on said substrate; mounting an

optical device having a planar surface on said positioning mechanisms wherein said planar surface is tilted relative to said upper surface; and anchoring the optical device(claims 1-8, col 3, line 40 through col 4, line 67).

Regarding claim 31, Trott et al. discloses said mounting of a plurality of positioning mechanisms in predetermined locations comprises positioning a plurality of spheres on said upper surface of said substrate(claim 1).

Regarding claim 32, Trott et al. discloses forming a plurality of pits on said upper surface of said substrate, said pits being sized and configured to receive said spheres(claim 2).

Regarding claim 33, Trott et al. discloses said anchoring comprises affixing the optical device to the substrate(claim 8).

Regarding claim 35, Trott et al. discloses affixing the optical device to at least one of the positioning mechanisms(claim 9).

Regarding claim 37, Trott et al. discloses for positioning an optical device on an upper surface of a substrate, the method comprising: mounting a plurality of positioning mechanisms in predetermined locations on said substrate; forming at least one cut-out portion on an mounting said optical device on said substrate such that said at least one cut-out portion contacts at least one said positioning mechanisms; and anchoring the optical device(claims 1-8, col 3, line 40 through col 4, line 67).

Regarding claim 38, Trott et al. discloses said forming comprises forming a plurality of pits sized and configured to receive said positioning mechanisms(claim 2).

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Allowable Subject Matter

Claims 2, 5-11, 13-18, 34, 36, 39-41 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. With the allowable features being the positioning mechanisms are pillars, the optical devices includes one or more grooves being sized and figured; a mechanism having a lateral adjustment mechanism for laterally positioning the optical device; the optical device and the substrate include metal, and the affixing being soldering the optical device to the substrate or the positioning mechanism; a plurality of grooves sized and configured to receive said positioning mechanisms; grooves to extend perpendicular to an optical axis of the optical device; a plurality of cut-out portions.

Claims 19-29 are allowed.

The following is an examiner's statement of reasons for allowance: The prior art taken either singularity or in combination fails to anticipate or fairly suggest the limitations of the independent claim, in such a manner that a rejection under 35 U.S.C. 102 or 103 would be proper. The prior art fails to teach a combination of all the claimed features as presented in independent claims 19, with the allowable feature being. Therefore claims 19-29 are allowed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Timothy J. Thompson whose telephone number is (571) 272-2342. If the examiner can not be reached his supervisor, Georgia Epps, can be reached on (571) 272-2328.

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3/15/04